

§ 565.23

trucks, buses, trailers, incomplete vehicles and motorcycles are separate types.

(o) VIN means a series of Arabic numbers and Roman letters that is assigned to a motor vehicle for identification purposes.

§ 565.23 General requirements.

(a) Each vehicle manufactured in one stage shall have a VIN that is assigned by the manufacturer. Each vehicle manufactured in more than one stage shall have a VIN assigned by the incomplete vehicle manufacturer. Vehicle alterers, as specified in 49 CFR 567.7, shall utilize the VIN assigned by the original manufacturer of the vehicle.

(b) Each VIN shall consist of seventeen (17) characters.

(c) A check digit shall be part of each VIN. The check digit shall appear in position nine (9) of the VIN, on the vehicle and on any transfer documents containing the VIN prepared by the manufacturer to be given to the first owner for purposes other than resale.

(d) The VINs of any two vehicles manufactured within a 30-year period shall not be identical.

(e) The VIN of each vehicle shall appear clearly and indelibly upon either a part of the vehicle, other than the glazing, that is not designed to be removed except for repair or upon a separate plate or label that is permanently affixed to such a part.

(f) The VIN for passenger cars, multi-purpose passenger vehicles and trucks of 4536 kg or less GVWR shall be located inside the passenger compartment. It shall be readable, without moving any part of the vehicle, through the vehicle glazing under daylight lighting conditions by an observer having 20/20 vision (Snellen) whose eye-point is located outside the vehicle adjacent to the left windshield pillar. Each character in the VIN subject to this paragraph shall have a minimum height of 4 mm.

(g) Each character in each VIN shall be one of the letters in the set: [ABCDEFGHJKLMNPQRSTUVWXYZ] or a numeral in the set: [0123456789] assigned according to the method given in § 565.25.

49 CFR Ch. V (10–1–24 Edition)

(h) All spaces provided for in the VIN must be occupied by a character specified in paragraph (g) of this section.

(i) The type face utilized for each VIN shall consist of capital, sanserif characters.

[73 FR 23379, Apr. 30, 2008, as amended at 74 FR 67977, Dec. 22, 2009]

§ 565.24 Motor vehicles imported into the United States.

(a) Importers shall utilize the VIN assigned by the original manufacturer of the motor vehicle.

(b) A passenger car certified by a Registered Importer under 49 CFR part 592 shall have a plate or label that contains the following statement, in characters with a minimum height of 4 mm, with the identification number assigned by the original manufacturer provided in the blank: SUBSTITUTE FOR U.S. VIN: _____ SEE PART 565. The plate or label shall conform to § 565.23 (h) and (i). The plate or label shall be permanently affixed inside the passenger compartment. The plate or label shall be readable, without moving any part of the vehicle, through the vehicle glazing under daylight lighting conditions by an observer having 20/20 vision (Snellen) whose eye-point is located outside the vehicle adjacent to the left windshield pillar. It shall be located in such a manner as not to cover, obscure, or overlay any part of any identification number affixed by the original manufacturer. Passenger cars conforming to Canadian Motor Vehicle Safety Standard 115 are exempt from this paragraph.

§ 565.25 Content requirements.

The VIN shall consist of four sections of characters which shall be grouped accordingly:

(a) The first section shall consist of three characters that occupy positions one through three (1–3) in the VIN. This section shall uniquely identify the manufacturer, make and type of the motor vehicle if its manufacturer produces 500 or more motor vehicles of its type annually. If the manufacturer produces less than 500 motor vehicles of its type annually, these characters along with the third, fourth and fifth characters of the fourth section shall uniquely identify the manufacturer,

make and type of the motor vehicle. These characters are assigned in accordance with §565.26(a).

(b) The second section shall consist of five characters, which occupy positions four through eight (4-8) in the VIN. This section shall uniquely identify the attributes of the vehicle as specified in Table VIII. For passenger cars, and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg (10,000 lb) or less, the first and second characters shall be alphabetic and the third and fourth characters shall be numeric.

The fifth character may be either alphabetic or numeric. The characters utilized and their placement within the section may be determined by the manufacturer, but the specified attributes must be decipherable with information supplied by the manufacturer in accordance with §565.26(c). In submitting the required information to NHTSA relating to gross vehicle weight rating, the designations in Table IX shall be used. The use of these designations within the VIN itself is not required. Tables VIII and IX follow:

TABLE VIII—TYPE OF VEHICLE AND INFORMATION DECIPHERABLE

Passenger car: Line, series, body type, engine type and restraint system type.
Multipurpose passenger vehicle: Line, series, body type, engine type, gross vehicle weight rating.
Truck: Model or line, series, chassis, cab type, engine type, brake system and gross vehicle weight rating.
Bus: Model or line, series, body type, engine type, and brake system.
Trailer, including trailer kits and incomplete trailer: Type of trailer, body type, length and axle configuration.
Motorcycle: Type of motorcycle, line, engine type, and net brake horsepower.
Incomplete Vehicle other than a trailer: Model or line, series, cab type, engine type and brake system.

Note to Table VIII: Engine net brake horsepower when encoded in the VIN shall differ by no more than 10 percent from the actual net brake horsepower; shall in the case of motorcycle with an actual net brake horsepower of 2 or less, be not more than 2; and shall be greater than 2 in the case of a motorcycle with an actual brake horsepower greater than 2.

TABLE IX—GROSS VEHICLE WEIGHT RATING CLASSES

Class A—Not greater than 1360 kg. (3,000 lbs.)
 Class B—Greater than 1360 kg. to 1814 kg. (3,001–4,000 lbs.)
 Class C—Greater than 1814 kg. to 2268 kg. (4,001–5,000 lbs.)
 Class D—Greater than 2268 kg. to 2722 kg. (5,001–6,000 lbs.)
 Class E—Greater than 2722 kg. to 3175 kg. (6,001–7,000 lbs.)
 Class F—Greater than 3175 kg. to 3629 kg. (7,001–8,000 lbs.)
 Class G—Greater than 3629 kg. to 4082 kg. (8,001–9,000 lbs.)
 Class H—Greater than 4082 kg. to 4536 kg. (9,001–10,000 lbs.)
 Class 3—Greater than 4536 kg. to 6350 kg. (10,001–14,000 lbs.)
 Class 4—Greater than 6350 kg. to 7257 kg. (14,001–16,000 lbs.)
 Class 5—Greater than 7257 kg. to 8845 kg. (16,001–19,500 lbs.)

TABLE IX—GROSS VEHICLE WEIGHT RATING CLASSES—Continued

Class 6—Greater than 8845 kg. to 11793 kg. (19,501–26,000 lbs.)
 Class 7—Greater than 11793 kg. to 14968 kg. (26,001–33,000 lbs.)
 Class 8—Greater than 14968 kg. (33,001 lbs. and over).

(c) The third section shall consist of one character, which occupies position nine (9) in the VIN. This section shall be the check digit whose purpose is to provide a means for verifying the accuracy of any VIN transcription. After all other characters in VIN have been determined by the manufacturer, the check digit shall be calculated by carrying out the mathematical computation specified in paragraphs (c) (1) through (4) of this section.

(1) Assign to each number in the VIN its actual mathematical value and assign to each letter the value specified for it in Table X, as follows:

TABLE X—ASSIGNED VALUES

| |
|-------|
| A = 1 |
| B = 2 |
| C = 3 |
| D = 4 |
| E = 5 |
| F = 6 |
| G = 7 |
| H = 8 |
| J = 1 |
| K = 2 |
| L = 3 |
| M = 4 |
| N = 5 |
| P = 7 |
| R = 9 |
| S = 2 |
| T = 3 |
| U = 4 |
| V = 5 |
| W = 6 |
| X = 7 |
| Y = 8 |
| Z = 9 |

(2) Multiply the assigned value for each character in the VIN by the position weight factor specified in Table XI, as follows:

TABLE XI—VIN POSITION AND WEIGHT FACTOR

| | |
|------------|---------------|
| 1st | 8 |
| 2d | 7 |
| 3d | 6 |
| 4th | 5 |
| 5th | 4 |
| 6th | 3 |
| 7th | 2 |
| 8th | 10 |
| 9th | (check digit) |
| 10th | 9 |
| 11th | 8 |
| 12th | 7 |
| 13th | 6 |
| 14th | 5 |
| 15th | 4 |
| 16th | 3 |
| 17th | 2 |

(3) Add the resulting products and divide the total by 11.

(4) The numerical remainder is the check digit. If the remainder is 10 the letter “X” shall be used to designate the check digit. The correct numeric remainder, zero through nine (0–9) or the letter “X,” shall appear in VIN position nine (9).

(5) A sample check digit calculation is shown in Table XII as follows:

TABLE XII—CALCULATION OF A CHECK DIGIT

| | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|----|----|---|----|----|----|----|-----|----|----|----|----|----|----|----|----|
| VIN Position 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Sample VIN | 1 | G | 4 | A | H | 5 | 9 | H | ... | 5 | G | 1 | 1 | 8 | 3 | 4 | 1 |
| Assigned Value | 1 | 7 | 4 | 1 | 8 | 5 | 9 | 8 | ... | 5 | 7 | 1 | 1 | 8 | 3 | 4 | 1 |
| Weight Factor | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 10 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |
| Multiply Assigned value times | 8 | 49 | 24 | 5 | 32 | 15 | 18 | 80 | 0 | 45 | 56 | 7 | 6 | 40 | 12 | 12 | 2 |

Add products: $8 + 49 + 24 + 5 + 32 + 15 + 18 + 80 + 0 + 45 + 56 + 7 + 6 + 40 + 12 + 12 + 2 = 411$.

Divide by 11: $411/11 = 37 \text{ } 4/11$.

The remainder is 4; this is the check digit to be inserted in position nine (9) of the VIN.

(d) The fourth section shall consist of eight characters, which occupy positions ten through seventeen (10–17) of the VIN. The last five (5) characters of this section shall be numeric for passenger cars and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg. (10,000 lbs.) or less, and the last four (4) characters shall be numeric for all other vehicles.

(1) The first character of the fourth section shall represent the vehicle model year. The year shall be designated as indicated in Table XIII as follows:

TABLE XIII—YEAR CODES FOR VIN

| Year | Code |
|------------|------|
| 1980 | A |
| 1981 | B |
| 1982 | C |
| 1983 | D |
| 1984 | E |
| 1985 | F |
| 1986 | G |
| 1987 | H |
| 1988 | J |
| 1989 | K |
| 1990 | L |
| 1991 | M |
| 1992 | N |
| 1993 | P |
| 1994 | R |
| 1995 | S |

TABLE XIII—YEAR CODES FOR VIN—Continued

| Year | Code |
|------------|------|
| 1996 | T |
| 1997 | V |
| 1998 | W |
| 1999 | X |
| 2000 | Y |
| 2001 | 1 |
| 2002 | 2 |
| 2003 | 3 |
| 2004 | 4 |
| 2005 | 5 |
| 2006 | 6 |
| 2007 | 7 |
| 2008 | 8 |
| 2009 | 9 |
| 2010 | A |
| 2011 | B |
| 2012 | C |
| 2013 | D |

(2) The second character of the fourth section shall represent the plant of manufacture.

(3) The third through the eighth characters of the fourth section shall represent the number sequentially assigned by the manufacturer in the production process if the manufacturer produces 500 or more vehicles of its type annually. If the manufacturer produces less than 500 motor vehicles of its type annually, the third, fourth and fifth characters of the fourth section, combined with the three characters of the first section, shall uniquely identify the manufacturer, make and type of the motor vehicle and the sixth, seventh, and eighth characters of the fourth section shall represent the number sequentially assigned by the manufacturer in the production process.

§ 565.26 Reporting requirements.

The information collection requirements contained in this part have been approved by the Office of Management and Budget under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*) and have been assigned OMB Control Number 2127-0510.

(a) The National Highway Traffic Safety Administration (NHTSA) has contracted with the SAE International (SAE) to coordinate the assignment of manufacturer identifiers. Manufacturer identifiers will be supplied by SAE at no charge. All requests for assignments of manufacturer identifiers should be forwarded directly to: SAE International, 400 Commonwealth Drive, Warrendale, Pennsylvania 15096,

Attention: WMI Coordinator. Any requests for identifiers submitted to NHTSA will be forwarded to SAE. Manufacturers may request a specific identifier or may request only assignment of an identifier(s). SAE will review requests for specific identifiers to determine that they do not conflict with an identifier already assigned or block of identifiers already reserved. SAE will confirm the assignments in writing to the requester. Once confirmed by SAE, the identifier need not be resubmitted to NHTSA.

(b) Manufacturers of vehicles subject to this part shall submit, either directly or through an agent, the unique identifier for each make and type of vehicle it manufactures at least 60 days before affixing the first VIN using the identifier. Manufacturers whose unique identifier appears in the fourth section of the VIN shall also submit the three characters of the first section that constitutes a part of their identifier.

(c) Manufacturers of vehicles subject to the requirements of this part shall submit to NHTSA the information necessary to decipher the characters contained in its VINs. Amendments to this information shall be submitted to the agency for VINs containing an amended coding. The agency will not routinely provide written approvals of these submissions, but will contact the manufacturer should any corrections to these submissions be necessary.

(d) The information required under paragraph (c) of this section shall be submitted at least 60 days prior to offering for sale the first vehicle identified by a VIN containing that information, or if information concerning vehicle characteristics sufficient to specify the VIN code is unavailable to the manufacturer by that date, then within one week after that information first becomes available. The information shall be submitted to <https://vpic.nhtsa.dot.gov/> or to: Administrator, National Highway Traffic Safety Administration, ATTN: VIN Coordinator, 1200 New Jersey Avenue SE, Washington, DC 20590. Manufacturers of replica motor vehicles shall furnish the information by using the portal at <https://vpic.nhtsa.dot.gov/>.

[47 FR 7248, Feb. 18, 1982, as amended at 87 FR 13232, Mar. 9, 2023]